

U.S. Department of Commerce
National Institute of Standards and Technology
Gaithersburg, MD 20899

Certificate Number: 88-187
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National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Jeweler's Balance
Explosion Proof Electronic
Model: X1493-X
n: 6,100 ; e = 1 g
Capacity: 6,100 x 0.1 g
Platform: 5.9" x 4.6"

Accuracy Class: II

Submitted by:

Sartorius Filters, Inc.
11 Kriper Road
East Granby, CT 06025
Tele: (203) 653-5584
Contact: Steve Watson

Standard Features and Options

Semi-automatic zero
Liquid crystal display

Options: Ticket printer
Various optional single units of weight

Temperature Range: -10 °C to 30 °C (14 to 86 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Original signed by Chief, Office of Weights and Measures

Issue Date: November 1, 1988

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Sartorius Filters, Inc.
Jeweler's Balance
Model: X1493-X

Application: For general weighing in environments where the potential for explosion exists.

Identification: The identification badge is located on the right side of the scale on the base.

Sealing: A switch used to place the device into a menu calibration mode is located on the bottom of the indicator. A pressure sensitive security seal is placed over the opening to the switch to prevent access to the calibration mode.

Test Conditions: The emphasis of the evaluation was on the device design, operation, and compliance with the influence factor requirements. The scale was tested over a range of -10 °C to 30 °C. A load of approximately one-half scale capacity was placed on the scale 100,841 times. The scale was tested periodically over this time. Additionally, the scale was tested using power supplies of 100 and 130V. The results of the evaluation indicate the device complies with the applicable requirements of National Bureau of Standards Handbook 44.

Type Evaluation Criteria Used: NBS Handbook 44, 1988 Edition

Tested By: B. Badenhop